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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/500,725	02/09/2000	Edward F. Chatcavage	BLD990045US1	3001

7590

11/05/2003

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EXAMINER

EBRAHIMI DEHKORDY, SAEID

ART UNIT	PAPER NUMBER
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2626

DATE MAILED: 11/05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/500,725

Examiner

Saeid Ebrahimi-dehKordy

Applicant(s)

CHATCAVAGE ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Dennis et al
(U.S. patent 5,471,564)

Regarding claims 1 and 8 Dennis et al disclose: A data structure disposed before a page in a document data stream for referencing and identifying resource objects (please note column 11 lines 3-7 where the location of the resources and the pointer identifying the resources are determined) the data structure providing an indication of resource objects to be made available prior to attempting to print the page (please note Fig.2 column 12 lines 47-50 where the resources to be used are selected).

Regarding claim 2 Dennis et al disclose: The data structure of claim 1, wherein the data structure is disposed at a beginning of a document before a first page to providing an indication of all resource objects that will be needed to print the document (please note column 12 lines 37-58).

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Regarding claim 3 Dennis et al disclose: The data structure of claim 2 wherein all of the resource objects of the document are made available prior to attempting to print the first page (please note column 12 lines 59-65).

Regarding claim 4 Dennis et al disclose: The data structure of claim 1 further comprising a mapping structure for identifying images, PostScript page objects, PDF page objects, PostScript resource objects or PDF resource objects (please note column 10 lines 10-13 and lines 36-42).

Regarding claim 5 Dennis et al disclose: The data structure of claim 4 further comprising a mapping structure for identifying overlay resource objects (please note column 8 lines 36-44).

Regarding claim 6 Dennis et al disclose: The data structure of claim 1 further comprising a mapping structure for identifying overlay resource object (please note column 8 lines 36-50)

Regarding claim 7 Dennis et al disclose: The data structure of claim 1 further comprising at least one of a map data resource field for identifying images, PostScript page objects, PDF page objects, PostScript resource objects or PDF resource objects and a map page overlay structure for identifying overlays, wherein the order of the map data resource structure and the map page overlay structure is flexible (please note column 10 lines 10-13).

Regarding claim 9 Dennis et al disclose: The data stream of claim 8, wherein the data structure is disposed at a beginning of a document before a first page to provide an

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indication of all resource objects that will be needed to print the document (please note column 12 lines 59-65).

Regarding claim 10 Dennis et al disclose: The data stream of claim 9 wherein all of the resource objects of the document are made available prior to attempting to print the first page (please note column 12 lines 46-50).

Regarding claim 11 Dennis et al disclose: The data stream of claim 8 further comprising a mapping structure for identifying images, PostScript page objects, PDF page objects, PostScript resource objects or PDF resource objects (please note column 10 lines 10-13 and lines 36-42).

Regarding claim 12 Dennis et al disclose: The data stream of claim 11 further comprising a mapping structure for identifying overlays (please note column 8 lines 36-44).

Regarding claim 13 Dennis et al disclose: The data stream of claim 8 further comprising a mapping structure for identifying overlays (please note column 8 lines 36-44).

Regarding claim 14 Dennis et al disclose: The data stream of claim 8 further comprising at least one of a map data resource structure for identifying images, PostScript page objects, PDF page objects, PostScript resource objects or PDF resource objects and a map page overlay structure for identifying overlays, wherein the order of the map data resource structure and the map page overlay structure is flexible (please note column 10 lines 10-13 and lines 36-42).

Regarding claims 15 and 27 Dennis et al disclose: A method of printing, comprising: receiving a print request for printing a document (please note column 2 lines 25-37) generating a presentation data stream defining the document (please note column 12 lines 40-45) the presentation data stream including at least one page group the page group defining at least one page for printing (please note column 12 lines 43-50) and placing a resource environment group before a page group the resource environment group referencing and identifying resource objects for at least the page group (please note column 12 lines 48-50 where the resource is being determined before the printing started) the resource environment group providing an indication of resource objects to be made available prior to attempting to print the at least one page group (please note column 11 lines 3-8).

Regarding claim 16 Dennis et al disclose: The method of claim 15 wherein the page group comprises structures for defining a single page (please note column (please note column 12 lines 52-54).

Regarding claim 17 Dennis et al disclose: The method of claim 15 wherein the page group comprises structures for defining a plurality of pages (please note column 11 lines 24-37).

Regarding claim 18 Dennis et al disclose: The method of claim 15 wherein the resource environment group references and identifies resource objects for all page groups in the document (please note column 11 lines 3-8).

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Regarding claim 19 Dennis et al disclose: The method of claim 15 wherein the placing comprises placing an Nth resource environment group before an Nth page group (please note column 11 lines 25-35).

Regarding claim 20 Dennis et al disclose: The method of claim 15 further comprising reading the resource environment group and ensuring all resource objects identified by the resource environment group are available to the printer before printing pages associated with the resource environment group (please note column 11 lines 3-15).

Regarding claim 21 Dennis et al disclose: The method of claim 20 wherein the ensuring comprises downloading any resources identified by the resource environment group that are not resident at the printer (please note column 12 lines 21-25).

Regarding claim 22 Dennis et al disclose: A method of printing, comprising: receiving a print data stream (please note column 2 lines 25-37) determining whether the print data stream includes a resource environment group (please note column 12 lines 47-49) downloading resource objects identified by the resource environment group when the print data stream includes a resource environment group (please note column 12 lines 24-26) and printing the pages defined by the print data stream (please note column 12 lines 45-49).

Regarding claims 23 and 25 Dennis et al disclose: The method of claim 22 wherein the determining further comprises determining whether the print data stream includes an Nth resource environment group associated with an Nth page group and the downloading further comprises downloading resource objects for the Nth page group

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identified by the Nth resource environment group when the print data stream includes an Nth resource environment group associated with an Nth page group (please note column 11 lines 25-37).

Regarding claim 24 Dennis et al disclose: A system for printing, comprising: a document generator for generating a presentation data stream defining the document (please note column 12 lines 46-49) the presentation data stream including at least one page group the page group defining at least one page for printing and including a resource environment group before a page group (please note column 12 lines 49-60) the resource environment group referencing and identifying resource objects for at least the page group the resource environment group providing an indication of resource objects to be made available prior to attempting to print the at least one page group (please note column 12 lines 59-65).

a print server coupled to the document generator the print server determining whether the print data stream includes a resource environment group (please note column 25 lines 57-67) and downloading resource objects identified by the resource environment group when the print data stream includes a resource environment group; and a control unit, coupled to the print server for printing the document using the resource objects downloaded by the print server (please note column 12 lines 16-26).

Regarding claim 26 Dennis et al disclose: An article of manufacture comprising a program storage medium readable by a computer (please note column 8 lines 49-54) the medium tangibly embodying one or more programs of instructions executable by the computer to perform a method for printing (please note column 8 lines 47-49) the

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method comprising: receiving a print request for printing a document (please note column 8 lines 46-54) generating a presentation data stream defining the document (please note column 6 lines 11-13) the presentation data stream including at least one page group, the page group defining at least one page for printing and placing a resource environment group before a page group (please note column 12 lines 49-60) the resource environment group referencing and identifying resource objects for at least the page group, the resource environment group providing an indication of resource objects to be made available prior to attempting to print the at least one page group (please note column 12 lines 59-65).

Contact Information

- Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Saeid Ebrahimi-Dehkordy* whose telephone number is (703) 306-3487.

The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams, can be reached at (703) 305-4863.

Any response to this action should be mailed to:

Assistant Commissioner for Patents
Washington, D.C. 20231

Or faxed to:

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(703) 872-9306, or (703) 308-9052 (for **formal** communications; please mark

"EXPEDITED PROCEDURE")

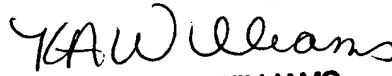
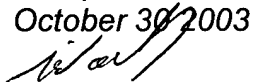
Or:

(703) 306-5406 (for **informal** or **draft** communications, please label "PROPOSED" or "DRAFT")

Hand delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 305-4750.

Saeid Ebrahimi-Dehkordy
Patent Examiner
Group Art Unit 2626
October 30, 2003



KIMBERLY WILLIAMS
SUPERVISORY PATENT EXAMINER